



8-10-89

cc: DWPC/FOS/RU
EPS, J. Breslin
w/ original photos
RBS
DLPC-II, R. Finley

JAD
EM
JP

COMPLAINT INVESTIGATION REPORT

PMC
(Cook County) CN 2808

INVESTIGATION DATE: June 21, 1989

INVESTIGATED BY: *RBS*
8/9/89 Robert B. Sulski, DWPC/FOS-II
Leo Papillon, DLPC/FOS-II

PHOTOGRAPHED BY: Robert B. Sulski

Introduction

At the promptings of an anonymous caller, Leo and I visited, photographed and sampled a ditch adjacent to the subject facility. Photographs were made on Kodacolor Gold ISO 100 film using a Canon AE1 Program Camera with a 28mm lens. Aperture and shutter speed settings were, respectively, f8 and 1/125s. A photo location sketch and sample results are attached. The photo negatives are attached to Region II's copy of the report.

Investigation Notes

At 1340 hours we approached a ditch located along and in between West Doty Avenue and PMC (see attached map and sketch) and noticed an apparent seepage zone from the direction of PMC, and a deep reddish discoloration of the ditch as follows:

RECEIVED
Field Operations Section
AUG 14 1989
Environmental Protection Agency
State of Illinois

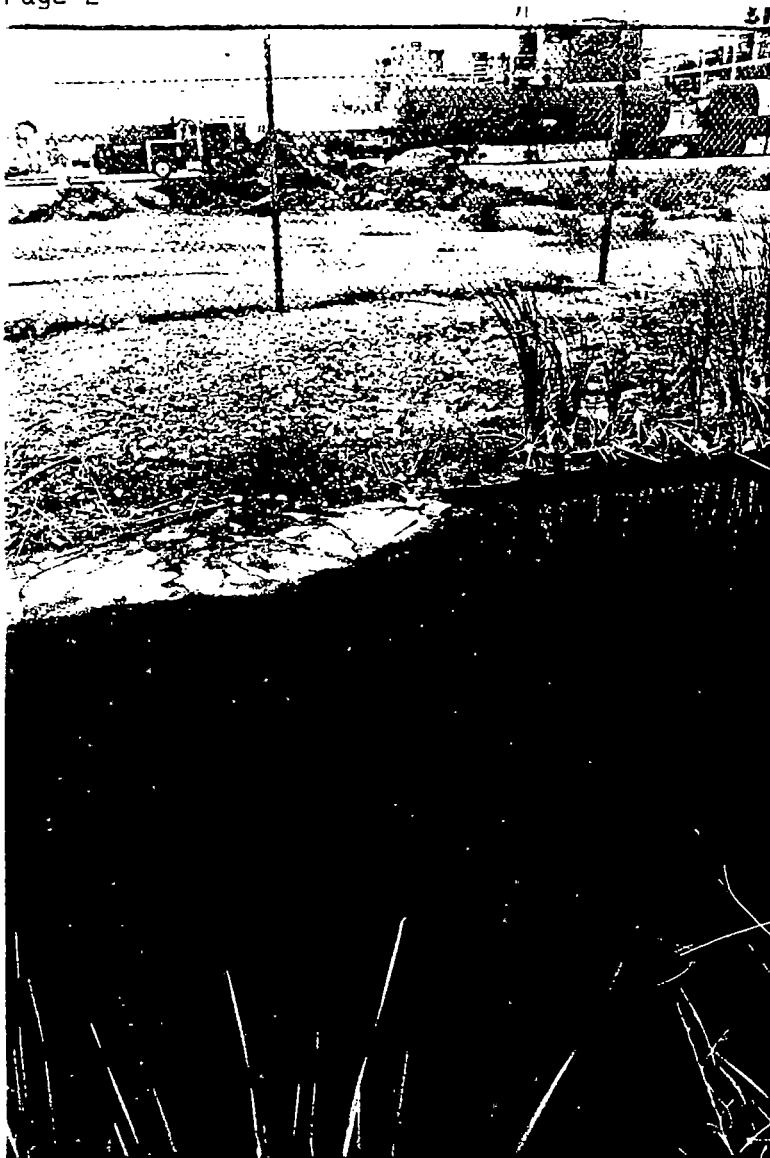


Photo 1

*West-
northwest* view of seepage zone
showing deep reddish-orange
discoloration of ditch water.

Photo 2

Southwest view
of Photo 1 subject.





Photo 3 South-southwest view of ditch downstream (south) of seepage zone.

Flow in the ditch was not detectable, however, the slope of the land indicated it would be from north to south. The ditch was dry north of the seepage zone.

Results of water samples taken adjacent to the seepage show violations of Part 302 standards for pH, TDS, Phenols, Cyanide, Arsenic, Copper, Iron, Lead, Boron, and Unnatural Sludge.

The weather was calm, clear and in the 80's.

Recommendations

Take additional water samples soon. If at that time ditch appears similar, send a PECL immediately.

RBS 3/9/89

COMPLAINT RECEIPT & REPORT FORM

cc: DWPC/FOS/RU
TMD

File: Lake Calumet / Chicago

Code #'s: CN2808

Complainant: Anonymous

Attention: _____

Assigned to: _____

Address: _____

Rec'd by: RBS

Post Office: _____

Date: 6-4-89

Tel. #: _____

Complaint

Location: Ditch on east border of
PMC between PMC & Doty Ave

Details: Red seepage to ditch

Follow-Up

Date	By
<u>6-21</u>	<u>RBS</u>

Special Instructions: _____

Results of Investigation

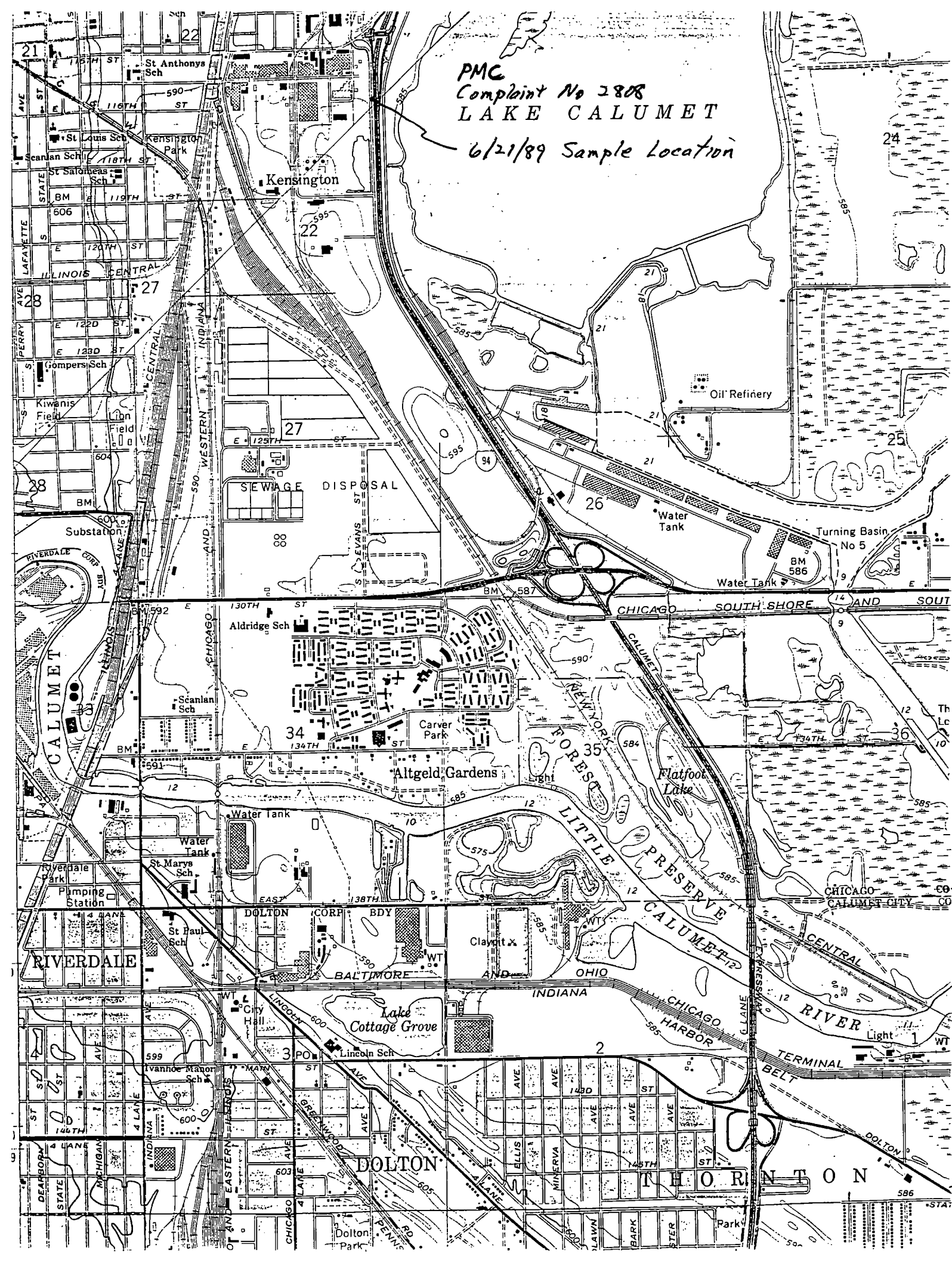
Investigated by: RBS & Leo Papillon Date: 6-21-89 Time: _____

Report: _____

Other reports attached: Yes No

PMC
Complaint No 2808
LAKE CALUMET

6/21/89 Sample Location



CN2808

C902433

Lab Sheet Color: Green

IEPA - DWPC - FOS - LAB SHEET

Field ID No.: 609-Funding Code: W P D 6 10-Agency Routing C 6 12-File Code: C H P 6 13-Sample Type: K15-Reporting: 8 16-DID: Basin _____ County _____ Plant _____ 17-Sampling Program: M 618-Facility/Sample Pt: WEST DDTY AVE. DITCH RTPMC 19-Begin 8 9 0 6 2 1 20-Begin 1 4 0 0
Date: Y Y M M D D H H M M23-Instructions
to Lab: _____21-Collected by: Robert B. Sukki (24 hr. clock)22-Transported by: RBS27-Received By: _____ Date: _____
Y Y M M D DReceived by: _____ Date: _____
Y Y M M D DCircle One: Effluent Stream Specials
Influent Process Flows WWTP
Sludge Cooling Water OtherProgram: DWPC/FOS-IT

NPDES No: _____

Receiving Stream Name: unnamedditch
Receiving Stream Conditions (velocity, etc)Deep rich orange brown
color w/ white silty/sandy solids

Effluent Conditions: _____

Weather Conditions: Clear, 80's °FComposite Sample
Ending Date: 5 2 9 F 0
Y Y M M D DEnding Time: 5 2 9 F 0
H H M M
(24-hr. clock)03-Lab Parameter Group: EFFOSAdditional
Lab ParametersField
Parameters

Results

COD, TOC

501FO

VSS, ROE

Air Temp (°C)

Total Solids

502FO

Water Temp (°C)

Phenols

504FO

Dissolved O₂Cyanide

503FO

Conductance

Hardness

500FO

pH

AlkalinityAs, Ba, BCd, Cr, Cr⁶⁺Cu, Fe, MnHg, Ni, PbSe, Ag, ZnComments & Unusual Conditions &
Severity: (If applicable, Stamp-
"No Visible Problem This Visit")

Remarks:

Sampling Techniques:

Grab from ditch

FOR LABORATORY USE ONLY

LAB ID NO.: C902433Sample Received By: R. F. ParkerDate Received: 6-21-89Time Received: AM 3:15 PMLab Section: ChgoSupervisor: James Daugherty

Mail To

Ill. Environmental Protection Agency
Water Pollution Control
FOS - Region II
1701 South First Avenue - Suite 600
Maywood, Illinois 60153

CN2808

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

SAMPLE NUMBER : C902433

SAMPLING POINT DESC. : WEST DOTY AVE. DITCH AT PMC

SUBMITTING SOURCE # :

SITE # :

DATE COLLECTED : 890621

TIME COLLECTED : 1400

SAMPLING PROGRAM : M6

COLLECTED BY : RBS

DELIVERED BY : RBS

COMMENTS :

FUNDING CODE : WP06

AGENCY ROUTING : CG

UNIT CODE :

SAM TYPE CODE : CMPL

SAMPLE PURPOSE CODE : X

REPORTING INDICATOR : B

DATE RECEIVED : 890621

TIME RECEIVED : 1515

RECEIVED BY : LJP

LAB OBSERVATIONS :

TRIP BL SAM# :

SUPERVISORS INITIALS : JWD

NOTE : K = LESS THAN VALUE

P00403 PH-LABORATORY	UNITS : 11.2	P70300 (ROE) TDS @ 180C	MG/L : 1828
P00410 ALKALINITY, TOTAL	MG/L : 10300	P00900 HARDNESS, EDTA TOTAL	MG/L : 60
P00630 NITRATE&NO2-NTOTAL	MG/L : @HH	P00610 AMMONIA-N, TOTAL	MG/L : 2.5
P32730 PHENOLS, TOTAL	UG/L : 1000	P00665 PHOSPHORUS-P, TOTAL	MG/L : 10.78
P00720 CYANIDE, TOTAL	MG/L : 0.60	P00310 BOD 5DAY	MG/L : 66
P00335 COD, TOTAL	MG/L : 1440	P00680 CARBON, T-ORG (TOC)	MG/L : 34
P00530 SOLIDS, TOT. SUS.	MG/L : 5200	P00535 SOLIDS, VOLATILE	MG/L : 1520
P01002 ARSENIC, TOTAL	UG/L : 6700	P01007 BARIUM, TOTAL	UG/L : 500
P01027 CADMIUM, TOTAL	UG/L : 5K	P01034 CHROMIUM, TOTAL	UG/L : 159
P01032 CHROMIUM, HEX	UG/L : HH	P01042 COPPER, TOTAL	UG/L : 143
P01045 IRON, TOTAL	UG/L : 6025	P01051 LEAD, TOTAL	UG/L : 344
P01055 MANGANESE, TOTAL	UG/L : 834	P71900 MERCURY, TOTAL	UG/L : 0.05K
P01067 NICKEL, TOTAL	UG/L : 50K	P01147 SELENIUM, TOTAL	UG/L : 5
P01077 SILVER, TOTAL	UG/L : 5K	P01092 ZINC, TOTAL	UG/L : 284
P01022 BORON, TOTAL	UG/L : 3200		

RECEIVED
ILL. ENVIRONMENTAL PROTECTION AGENCY

AUG 2 - 1989

DIV. WATER POLLUTION CONTROL
FIELD OPERATIONS SECTION - REG. 2